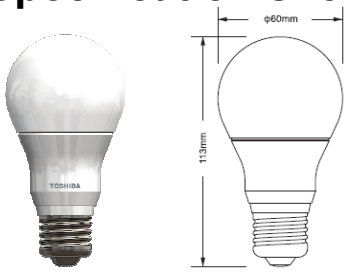
Specification sheet

TOSHIBA
Leading Innovation



Product description	Toshiba LED LAMP E-CORE™
Model name	LDAC0840WE7EU
Product Code	218-50393
EAN code	4974550426596
ITF code	14974550426593

■The strong point of TOSHIBA E-CORE LED Lamp

- Low energy and high efficacy.
- Mercury Free
- Instant full light
- Low Heat Radiation
- Low UV radiation

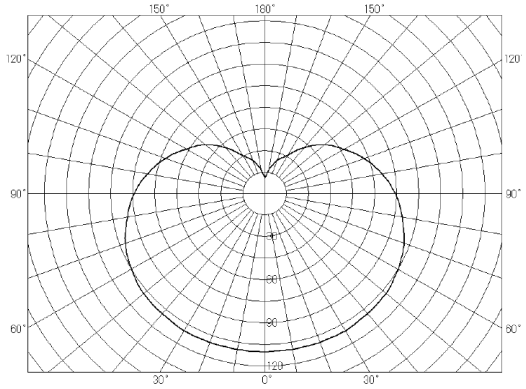
■Technical DATA

Rated Voltage (V)	220-240
Rated Wattage (W)	7.7
Frequency (Hz)	50 / 60
Rated Input Current (mA)	60
Power Factor	0.56
Luminous Flux(lm)	470
Colour Description	Neutral White
Colour Temperature (K)	4000
Colour Rendering Index (Ra)	80
Beam Angle (°)	260
CBCP (cd)	-
Lamp Efficacy (lm / W)	61.0
Rated Lamp Lifetime (h)	25,000
Lumen Maintenance	70% at the rated lamp lifetime
Number of Switching Cycle	over 20000 times
Dimming	Not dimmable
Overall Length (mm)	113
Diameter (mm)	60
Net Weight (g)	110
Cap	E27
Starting Time (s)	<0.5
LED Min Lumens to claim wattage equivalence (W)	40

■Packaging Details

Packaging Type(Std.Pkg.Q'ty)	Dimensions (L×W×H)	Gross Weight (g)	EAN / ITF CODE
Gift Box (1pce)	**70mm×70mm×140mm**	**160g**	4974550426596
Outer carton (10pcs)	**414mm×186mm×166mm**	**1980g**	14974550426593

LUMINOUS INTENSITY DISTRIBUTION CURVE (cd / 1000lm)



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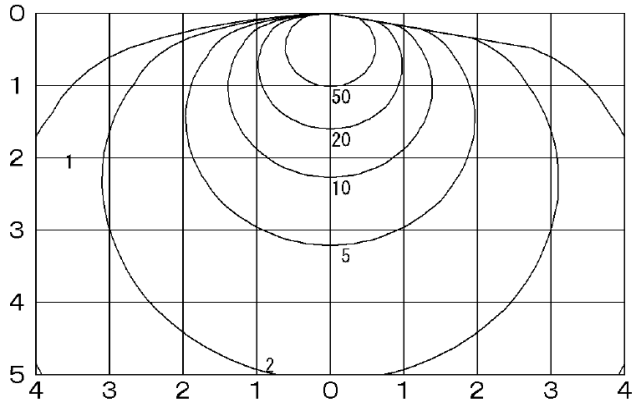

Ver. 1.00

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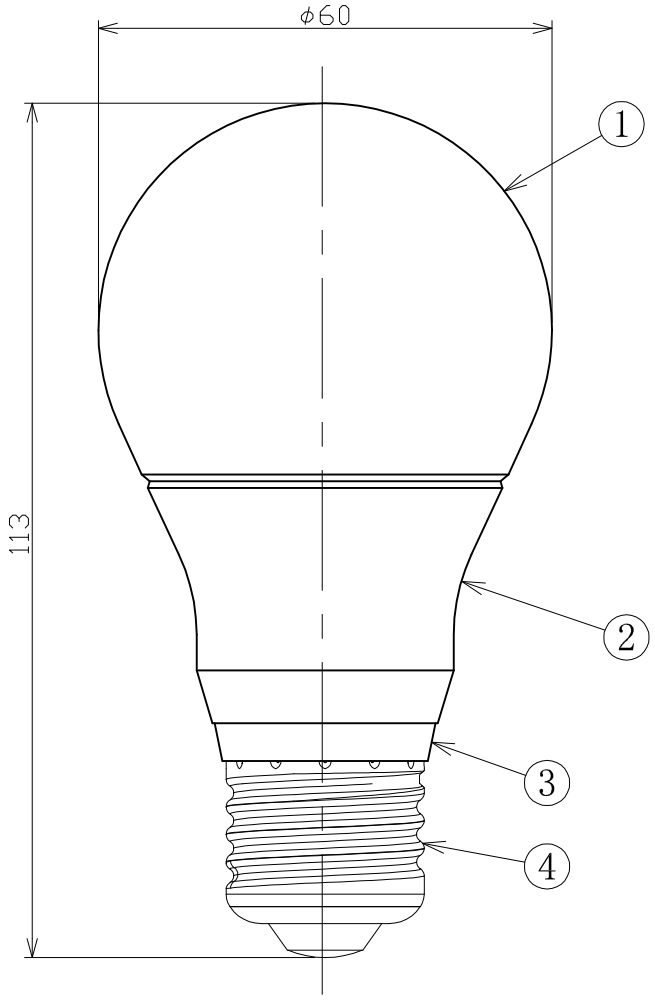


	General Characteristics	
1	Rated Voltage (V)	220–240
2	Rated Wattage (W)	7.7
3	Frequency (Hz)	50 / 60
4	Rated Input Current (mA)	60
5	Power Factor	0.56
6	Luminous Flux (lm)	470
7	Colour Description	Neutral White
8	Colour Temperature (K)	4000
9	Colour Rendering Index (Ra)	80
10	Beam Angle (°)	260
11	CBCP (cd)	–
12	Lamp Efficacy (lm/W)	61.0
13	Rated Lamp Lifetime(h)	25,000
14	Lumen Maintenance	70% at the rated lamp lifetime
15	Number of Switching Cycle	over 20,000 times
16	Dimming	Not dimmable
17	Overall Length (mm)	113
18	Diameter (mm)	60
19	Net Weight (g)	110
20	Cap	E27
21	Starting time (s)	<0.5
22	LED Min Lumen to claim wattage equivalence (W)	40

No.	Part	Material
①	Globe	PC
②	Body	ADC12
③	Capper	PBT
④	Cap	Brassr

Safety Information

⚠ WARNING

- Do not cover this product with paper or cloth, or put it close to anything easy to burn, otherwise, fire may occur.
- Do not use with dimmers, timers or other control devices.
- Turn off the power before attaching a lamp to a lighting device, before detaching a lamp from a lighting device, or before cleaning a lighting device, otherwise, you may have an electric shock.

⚠ CAUTION

- Do not use this product in a way of being exposed to rain or raindrops, nor at a high level of humidity, otherwise, it may be damaged.
- Do not drop a lamp, nor have it hit some object, nor put a heavy load on it, nor apply any excessive pressure.
- Do not touch a lamp with your hand or skin when it is on or soon after it is turned off because it is hot, otherwise, you may have a burn.
- Attach this product to a socket firmly, otherwise, it may drop off, or may overheat or emit smoke because of bad contact.
- Use this product in the range of 5℃-40℃(41°F-104°F).
- If a lamp does not normally light, e.g., if it flashes sporadically, turn off the power and replace the lamp.
- Do not look at LED device directly.
- Do not spray a pesticide over this lamp.

MODEL NO.

LDAC0840WE7EU

DESCRIPTION

TOSHIBA LED LAMP
E-CORE™

APPROVED BY	CHARGED BY
M. Kamata	K. Ogawa

~~3rd ANGLE~~ SCALE: — UNIT: mm

DRAWING NO. BA2011-00073-03 —

TOSHIBA TOSHIBA LIGHTING & TECHNOLOGY CORPORATION

TOSHIBA LIGHTING EQUIPMENT ENGINEERING DATA SHEET

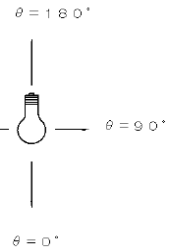
NAME	LED Lamp "E-CORE™
MODEL NO.	LDAC0840WE7EU
COVER	
OPTION NO.	
OPTION SPEC	

EFFICIENCY		
F ⌓		%
F ⌔		%
F ◯	100	%
LUMINAIRE LUMEN OUTPUT	470	lm

SHRmax		
A-A (SPACING CRITERIA ACROSS)	1.5	H
B-B (SPACING CRITERIA ALONG)	1.5	H

WATTAGE	
7.7	W

θ



REMARKS

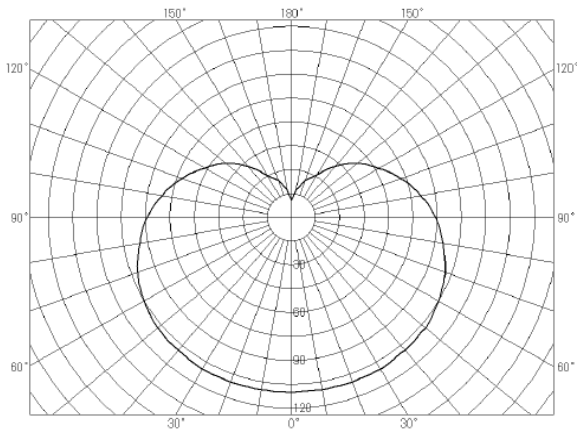
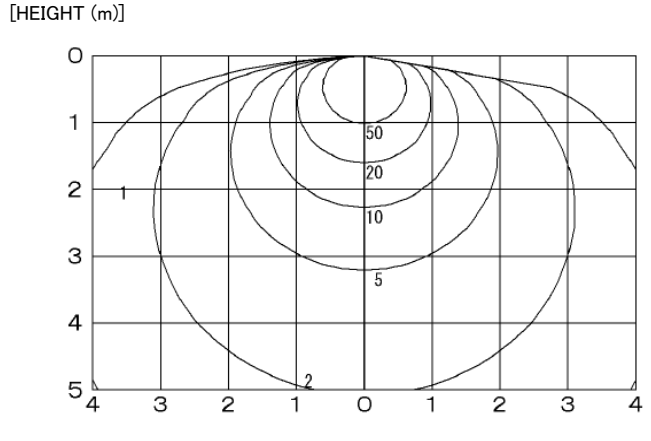
THE DATA IS EARLY TYPICAL VALUE.

LUMINOUS INTENSITY (cd/1000lm)

φ / θ	A-A	B-B	C-C
0°	110		
10°	110		
20°	110		
30°	110		
40°	109		
50°	108		
60°	105		
70°	101		
80°	95		
90°	89		
100°	81		
110°	72		
120°	62		
130°	53		
140°	42		
150°	31		
160°	25		
170°	18		
180°	11		

REF-LEC-TANCE (%)	CEILING	80						70						50				30		20	0
	WALL	70		50		30		70		50		30		50		30		30		10	0
	FLOOR	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	10	0
ROOM INDEX		UTILIZATION FACTOR (×0.01)																			
0.60		51	47	36	34	27	26	47	44	33	32	25	24	29	28	22	21	19	18	13	10
0.80		60	55	45	42	35	33	56	51	42	39	33	31	36	34	28	28	24	24	18	14
1.00		69	62	53	49	42	40	63	57	49	46	40	38	42	40	34	33	30	29	23	18
1.25		75	67	60	55	49	46	69	62	56	52	46	44	48	45	40	39	35	34	27	22
1.50		81	71	66	60	56	52	74	66	62	57	52	49	53	49	45	43	39	37	31	25
2.00		89	77	76	68	65	60	82	72	70	64	61	56	60	56	53	50	45	43	37	30
2.50		94	81	82	73	72	65	86	76	76	68	67	61	65	60	58	54	50	48	41	34
3.00		98	84	87	76	78	69	90	79	80	72	72	65	68	63	62	58	53	51	44	37
4.00		103	88	94	81	86	75	95	82	87	76	79	71	74	67	68	63	58	55	49	41
5.00		106	90	98	84	91	79	98	85	91	79	84	75	77	70	72	66	61	58	52	44
10.00		114	95	109	92	104	88	105	90	100	87	96	84	85	77	82	75	70	66	60	51

LUMINOUS INTENSITY DISTRIBUTION CURVE (cd/1000lm)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